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INFORMATION DISCLOSURE CITATION P Guist everal sheets if necessary)		Applicant(s)				
		J.J. GARCIA-LUNA-ACEVES; CHRISTINA PARSA Filing Date Group Art Unit				
	אל מחווי	OCTOBER 29, 2001				
EXAMINER AT L	OTHER DOCUMENTS (Including Author, Titl	le, Date, Pertinent Pages, Etc.)				
INIT AND	Rede, A. and Badrinath, B.R., "I-TCP: INDIREC	T TCP FOR MOBILE HOSTS," In	Proceedings of 15th IEEE			
TRANS	Rese, A. and Badrinath, B.R., "I-TCP: INDIRECT TCP FOR MOBILE HOSTS," In Proceedings of 15th IEEE International Conference on Distributed Computing Systems, pp. 136-143, Vancouver, British Columbia, Canada,					
Y'D	May, 1995.					
OI.	Balakrishnan, H. et al., "A COMPARISON OF MECHANISMS FOR IMPROVING TCP PERFORMANCE OVER					
Pb	WIRELESS LINKS," IEEE/ACM Transactions on Networking, Vol. 6, No. 5; December, 1997.					
01	Balakrishnan, H. et al., "IMPROVING RELIABLE	E TRANSPORT AND HANDOFF PI	ERFORMANCE IN CELLULAR			
	WIRELESS NETWORKS," ACM Wireless Networks Journal, Vol. 1, No. 4, pp. 1 thru 19, December, 1995.					
	Brakmo, L.S. et al., "TCP VEGAS: NEW TECHNI	IQUES FOR CONGESTION DETEC	CTION AND AVOIDANCE,"			
186	In Proceedings SIGCOMM '94, pp. 1 thru 12, London, United Kingdom, Aug/Sept, 1994.					
0 1	Brown, Kevin and Singh, Suresh, "M-TCP: TCP FOR MOBILE CELLULAR NETWORKS," Computer Communication					
16	Review, Vol. 27, No. 5, pp. 19-43, October, 1997.					
011	Caceres, R. and Iftode, L., "IMPROVING THE PERFORMANCE OF RELIABLE TRANSPORT PROTOCOLS IN					
X	MOBILE COMPUTING ENVIRONMENTS," IEEE Journal on Selected Areas in Communication, Vol. 13, No. 5,					
17	pp. 1 thru 17, 1995.					
A /	Chaskar, H. et al., "ON THE DESIGN OF INTERI		LESS," In MILCOM '96			
1	Conference Proceedings, Vol. 1, No. 3, pp. 199-203, October, 1996.					
0 1	Clark, D.D. et al., "NETBLT: A HIGH THROUGH	HPUT TRANSFER PROTOCOL,"	In Proceedings SIGCMM,			
86	pp. 353-359, Stowe, Vermont, August, 1987.					
1 1	Cobb, J. and Agrawal, P., "CONGESTION OR CO					
11/5	SESSIONS," In Proceedings IEEE Symposium on Computers and Communications, pp. 1 thru 6, June, 1996.					
01	Fall, Kevin and Floyd, Sally, "SIMULATION-BAS	SED COMPARISONS OF TAHOE,	RENO, AND SACK TCP,"			
175	Computer Communications Review, Vol. 26, No. 3, pp. 5-21, July, 1996.					
	Floyd, S. and Jacobson, V., "RANDOM EARLY D	ETECTION GATEWAYS FOR CO	NGESTION AVOIDANCE,"			
116	IEEE/ACM Transactions on Networking, Vol. 4, No. 1, pp. 397-413, August, 1993.					
''//// 	Jacobson, R. et al., "TCP EXTENSIONS FOR HIGH PERFORMANCE," Technical Report, Technical Report No. 1185,					
16	pp. 1 thru 37, May, 1992.					
EXAMINER 1	1	DATE CONSIDERED				
1404 les .						
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and						
not considered. Include copy of this form with next communication to applicant.						

		Date and the Court of					
•		Docket Number (Optional) UC2000-353-2	Application Number				
INFORMATION BISCLOS	URE CITATION	Applicant(s)	10/021,318				
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APR 2 5 2002	· .	OCTOBER 29, 2001	·				
•EXAMINER OF CR DO	CUMENTS (Including Author, Tit	le, Date, Pertinent Pages, Etc.)					
A /	Review, Vol. 24, No. 5, pp. 8 thru 23, October, 1994.						
Review, Vol. 24, N	Review, Vol. 24, No. 5, pp. 8 thru 23, October, 1994.						
19							
Karn, P. and Partr	Karn, P. and Partridge, C., "IMPROVING ROUND-TRIP TIME ESTIMATES IN RELIABLE TRANSPORT						
PROTOCOLS," C	PROTOCOLS," Computer Communication Review, Vol. 17, No. 5, pp. 2 thru						
Yb	, F						
Keshay S "PACI	Verbou S UDACKET DATE EF OUR CONTROL II - 1 4 47 1 1 1						
ON Kesnav, S., TACI	Keshav, S., "PACKET-PAIR FLOW CONTROL," pp. 1 thru 45, http://www.cs.cornell.edu/skeshav/papers.html.						
11/5							
10	Lakshman, T.V. et al., "WINDOW-BASED ERROR RECOVERY AND FLOW CONTROL WITH A SLOW						
/ 4]							
ACKNOWLEDGE	MENT CHANNEL: A STUDY	OF TCP/IP PERFORMANCE," In P	roceedings IEEE INFOCOM				
'97, No. 3, pp. 119	9 thru 1209, April, 1997.						
Lin, D. and Kung,	Lin, D. and Kung, H.T., "TCP FAST RECOVER STRATEGIES: ANALYSIS AND IMPROVEMENTS," In						
Proceedings IEEE	INFOCOM '98, pp. 1 thru 9, Ap	oril, 1998.	• •				
10)							
Kalampoukas, L. e	Kalampoukas, L. et al., "EXPLICIT WINDOW ADAPTATION: A METHOD TO ENHANCE TCP PERFORMANCE,"						
In Proceedings IEI	In Proceedings IEEE INFOCOM '98, pp. 242-251, April, 1998. [Published at University of California-Santa Cruz on						
 	August 21, 1997.						
l	TCP SELECTIVE ACKNOWL	EDGE OPTIONS," Technical Report	Technical Report RFC 2018				
<i>\lambda J </i>		and of the total temperature and the temperatu	, reciment report to 2010,				
	pp. 1 thru 12, October, 1996.						
11)							
		CKET LOSS DETECTION FOR TCF					
USING WIRELES	USING WIRELESS LINKS," IEEE Proceedings-Communications, Vol. 146, pp. 222-230, August, 1999.						
Parsa, C. et al., "I	MPROVING TCP PERFORMA	NCE OVER WIRELESS NETWORK	S AT THE LINK LAYER,"				
ACM Mobile Netw	vorks and Applications, Vol. 5, N	lo. 1, pp. 1 thru 25, March, 2000.					
Postel, J.B., "TRA	NSMISSION CONTROL PROT	FOCOL," Technical Report, Informat	ion Sciences Institute,				
Cover + i thru iii +	Cover + i thru iii + pp. 1 thru 85, RFC 793, September, 1981.						
[1 <i>h</i>]							
// Waldby, J. et al., "	ANISM FOR END-TO-END						
/) //							
CONGESTION CONTROL," Sigmetrics '98, Performance Evaluation Review, vol. 26, pp. 1 thru 23, 1998.							
Wang, Z. et al., "ELIMINATING PERIODIC PACKET LOSSES IN THE 4.3 TAHOE BSD TCP CONGESTION CONTROL ALGORITHM," Computer Communication Review, Vol. 22, No. 2, pp. 9 thru 16, April, 1992.							
EXAMINER //)	DATE CONSIDERED					
	1	1 20/18/50					
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and							
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	_	I D A		Docket Number (Optional) UC2000-353-2	Application Number 10/021,318
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				OCTOBER 29, 2001	
*EXAMINER INITIAL	N. C.	OTHER BOCUMEN	NTS (Including Author, Tit	le, Date, Pertinent Pages, Etc.)	
	V	ang, L. et al., "A NEW	CONGESTION CONTR	OL SCHEME: SLOW START AN	D SEARCH,"
11/_	C	omputer Communicatio	on Review, Vol. 21, No. 1,	pp. 32 thru 43, January, 1991.	
117				·	
0.1	1			G TCP CONGESTION CONTROL	
114	HETEROGENEOUS TRANSMISSION MEDIA," Proceedings IEEE ICNP 1999, 7th International Conference on Network Protocols, Toronto, CAnada; pp. 1 thru 9, October 31 thru November 3, 1999.				
		etwork Protocols, 1 oroi	nto, CAnada; pp. 1 thru y	, Uctober 31 thru November 3, 1999	9.
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PK			C. Parsa; J.J. Garcia-Luna-Aceves; "IMPROVING TCP CONGESTION CONTROL OVER INTERNETS WITH HETEROGENEOUS TRANSMISSION MEDIA," Proc. IEEE ICNP 1999; 7th International Conference on Network Protocols, Toronto, CAnada; Page 1 thru 9; October 31 thru November 3, 1999.								
EXAMINER	, 0/	L	nd 1			DATE CONSIDERED	S',				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.											

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